

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG070218\
 Data File : BG035582.D
 Acq On : 3 Jul 2018 11:55
 Operator : JU/SJ
 Sample : J3248-10RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-062818-BRE

Quant Time: Jul 03 13:21:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	5005	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	20196	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	11605	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	28360	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	29495	20.00	ng	-0.03
86) Perylene-d12	24.91	264	28372	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	83948	283.06	ng	0.01
7) Phenol-d6	7.25	99	139398	318.46	ng	0.03
23) Nitrobenzene-d5	9.22	82	28884	67.98	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	8024	54.01	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	26461	29.64	ng	-0.02
78) Terphenyl-d14	20.03	244	60719	43.12	ng	-0.02

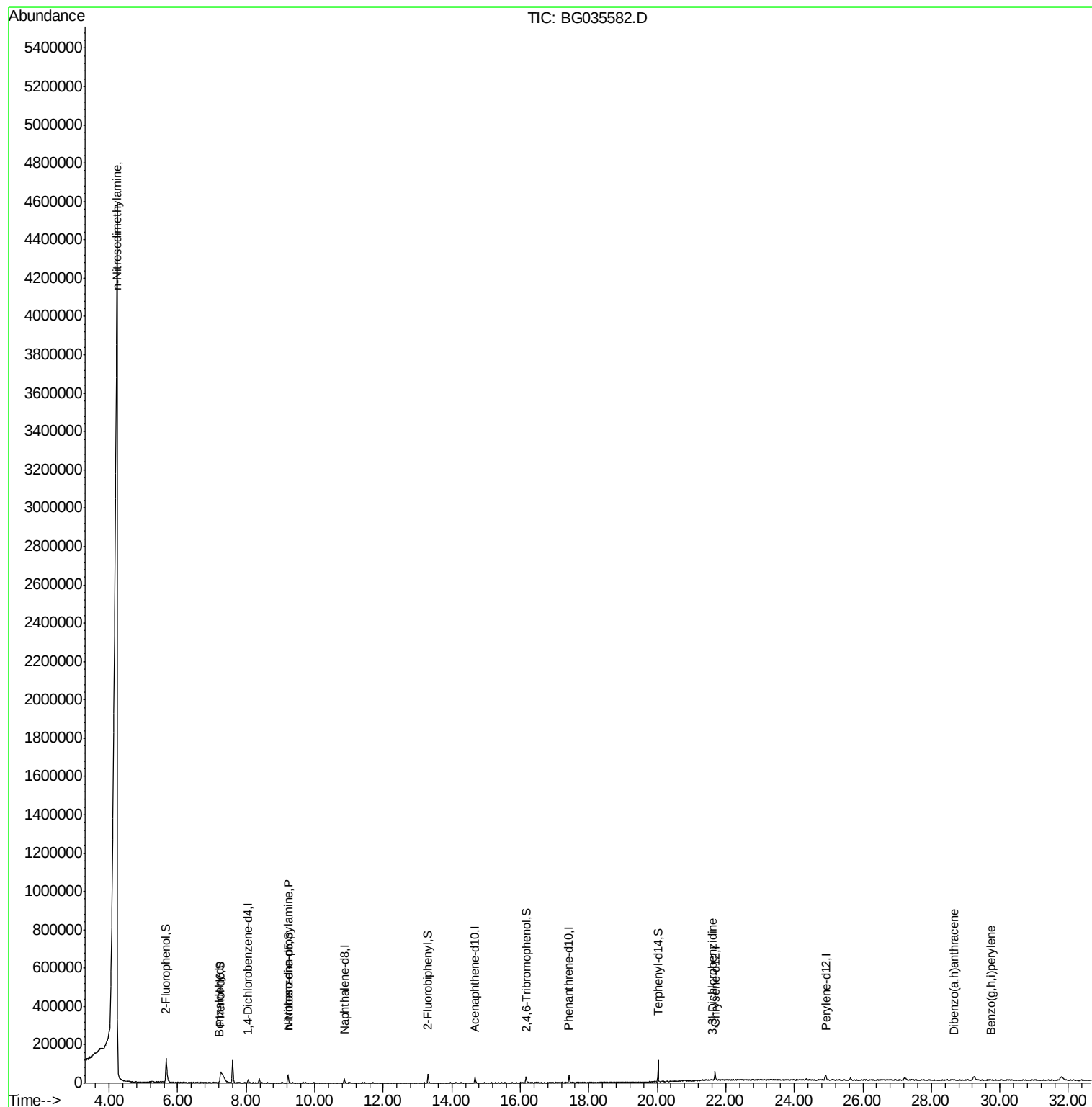
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	4.24	42	1819687	11094.228	ng	# 4
9) Benzaldehyde	7.22	77	724	2.147	ng	# 67
19) n-Nitroso-di-n-propylamine	9.22	70	4349	11.695	ng	# 61
81) 3,3'-Dichlorobenzidine	21.60	252	2103	2.966	ng	# 86
90) Dibenzo(a,h)anthracene	28.66	278	4636	2.856	ng	# 66
91) Benzo(g,h,i)perylene	29.73	276	6926	4.361	ng	# 74

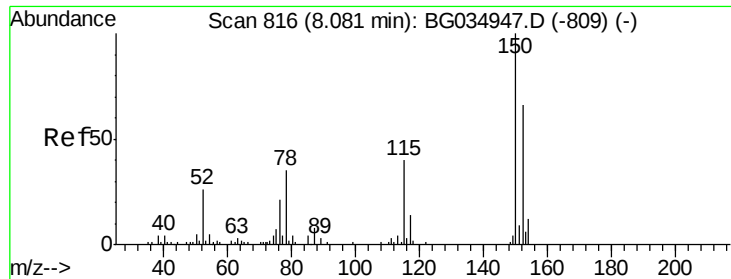
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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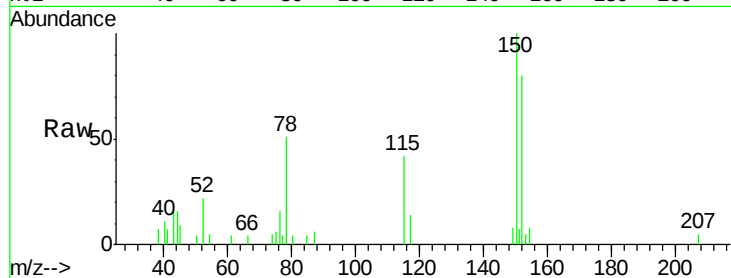


#1

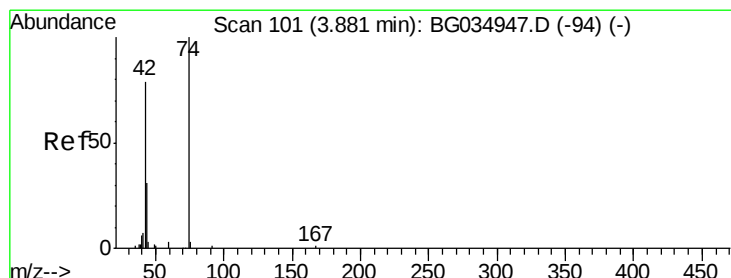
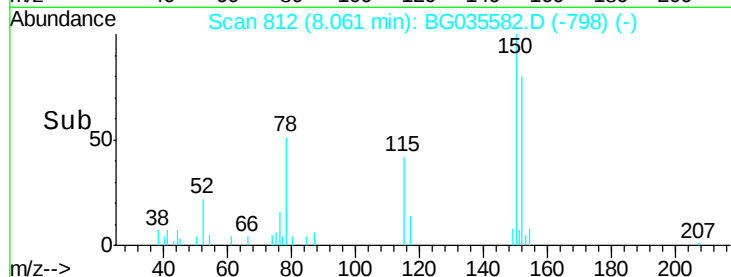
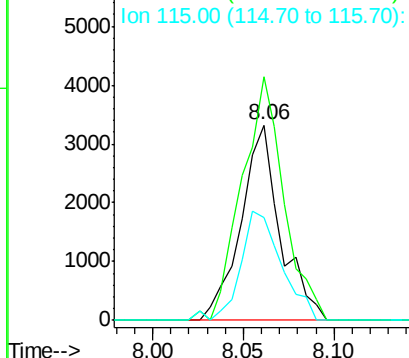
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035582.D
Acq: 3 Jul 2018 11:55

Instrument :
BNA_G
ClientSampleId :
EO-03-062818-BRE

Tgt Ion:152 Resp: 5005
Ion Ratio Lower Upper
152 100
150 124.8 126.6 189.8#
115 52.6 53.0 79.4#



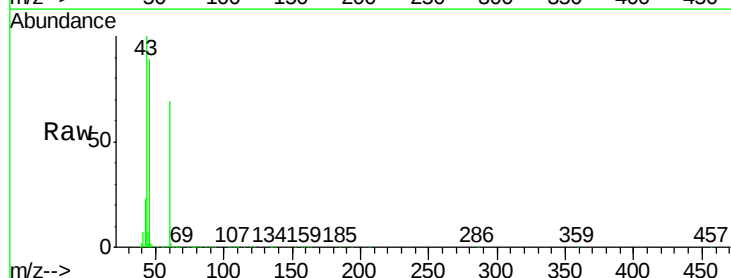
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



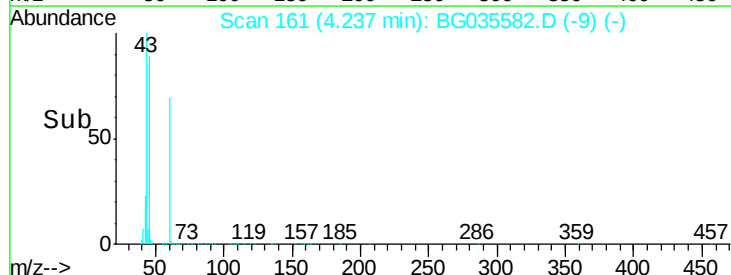
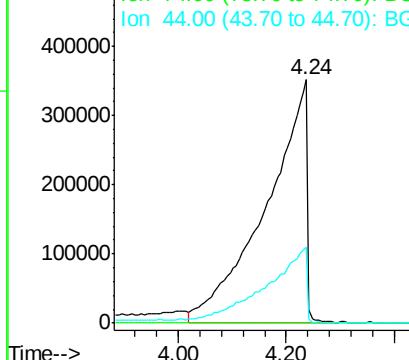
#4

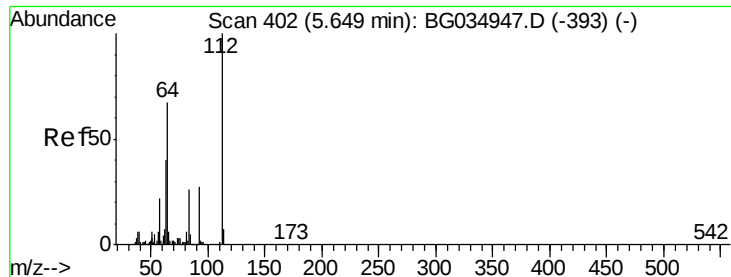
n-Nitrosodimethylamine
Concen: 11094.228 ng
RT: 4.24 min Scan# 161
Delta R.T. 0.36 min
Lab File: BG035582.D
Acq: 3 Jul 2018 11:55

Tgt Ion: 42 Resp: 1819687
Ion Ratio Lower Upper
42 100
74 0.0 102.5 153.7#
44 31.2 18.9 28.3#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 283.060 ng

RT: 5.66 min Scan# 403

Delta R.T. 0.01 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

Instrument :

BNA_G

ClientSampleId :

EO-03-062818-BRE

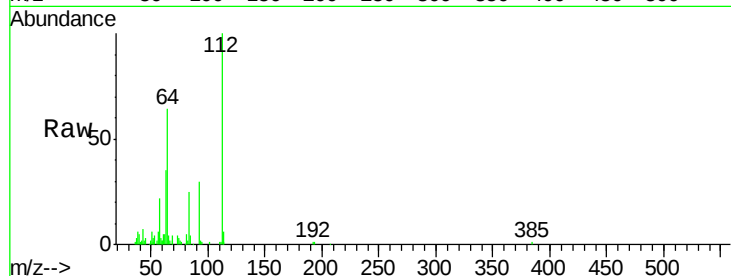
Tgt Ion: 112 Resp: 83948

Ion Ratio Lower Upper

112 100

64 64.5 56.3 84.5

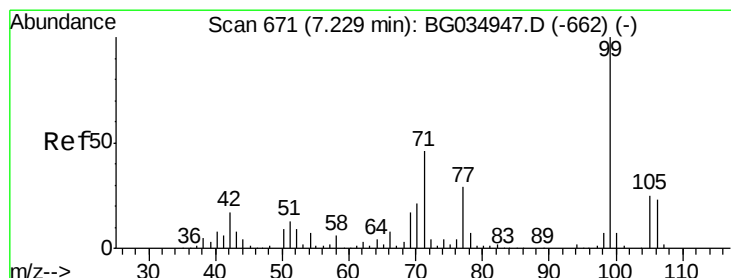
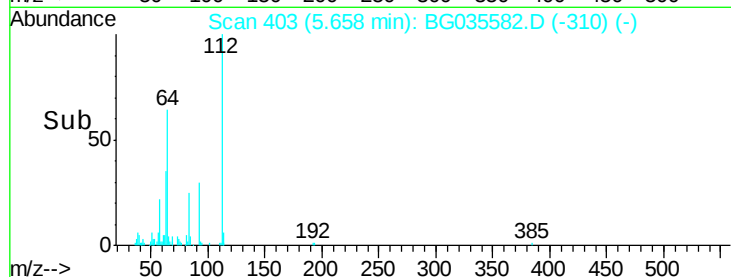
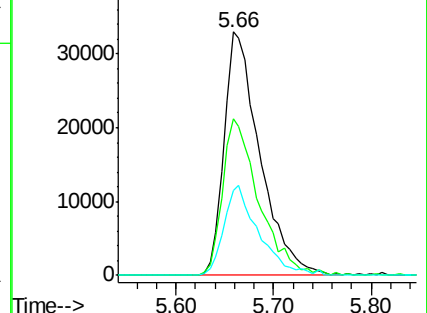
63 34.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 318.460 ng

RT: 7.25 min Scan# 674

Delta R.T. 0.03 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

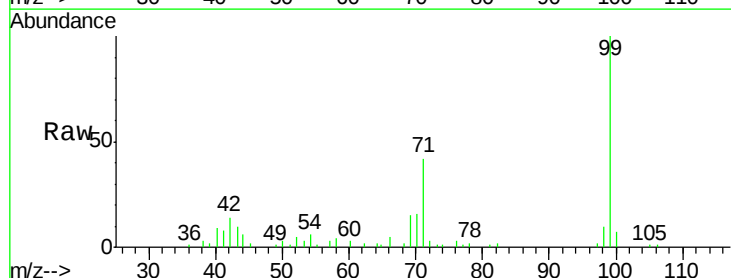
Tgt Ion: 99 Resp: 139398

Ion Ratio Lower Upper

99 100

42 14.3 14.1 21.1

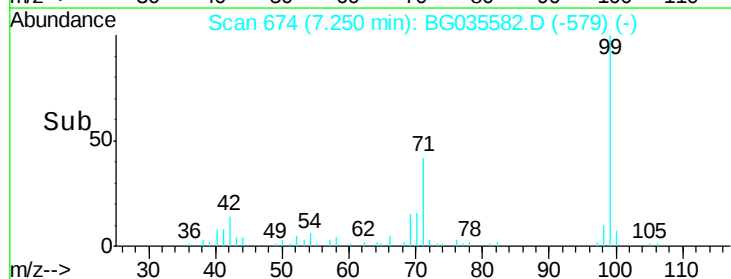
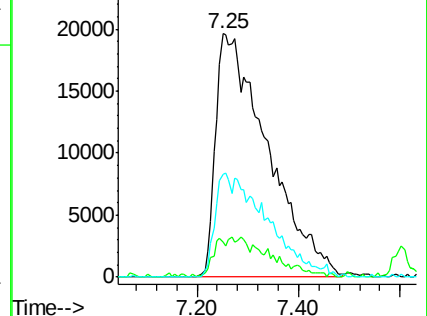
71 42.4 26.1 39.1#

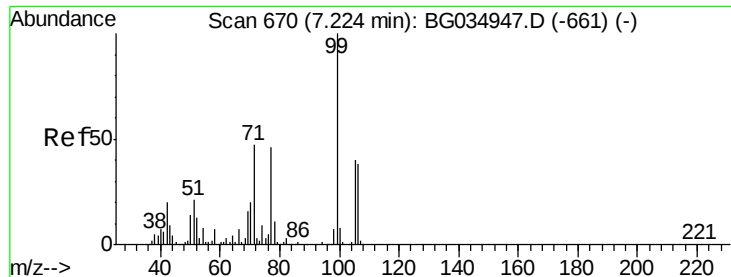


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 2.147 ng

RT: 7.22 min Scan# 668

Delta R.T. 0.00 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

Instrument :

BNA_G

ClientSampleId :

EO-03-062818-BRE

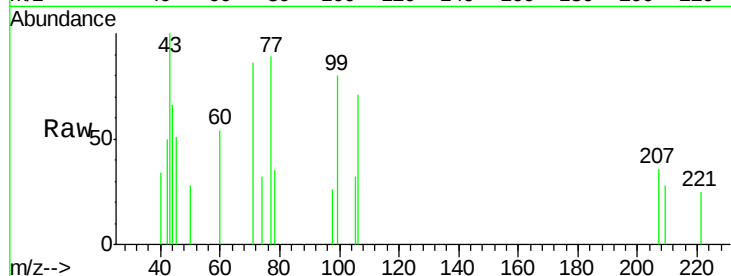
Tgt Ion: 77 Resp: 724

Ion Ratio Lower Upper

77 100

105 36.0 71.3 111.3#

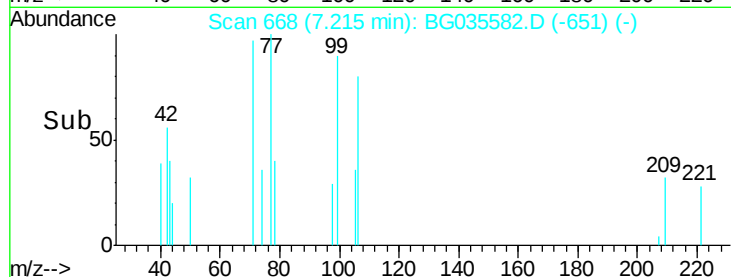
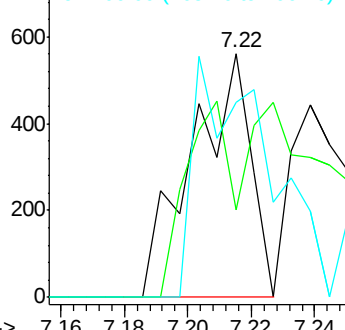
106 79.9 64.2 104.2



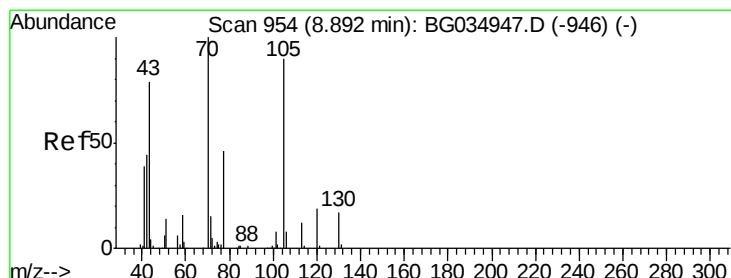
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 11.695 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

Tgt Ion: 70 Resp: 4349

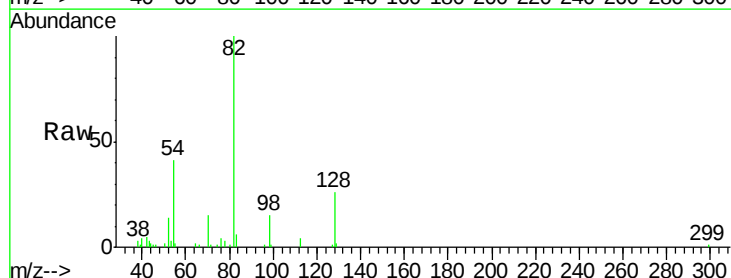
Ion Ratio Lower Upper

70 100

42 30.3 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

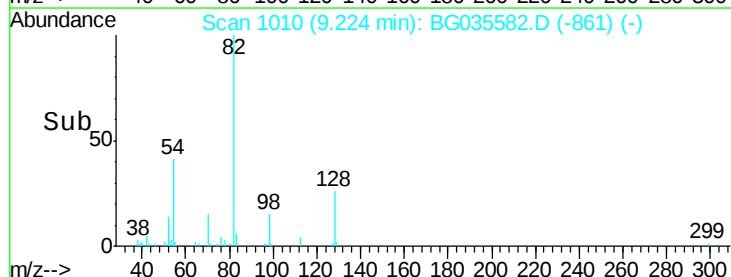
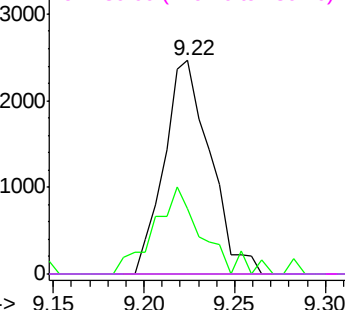


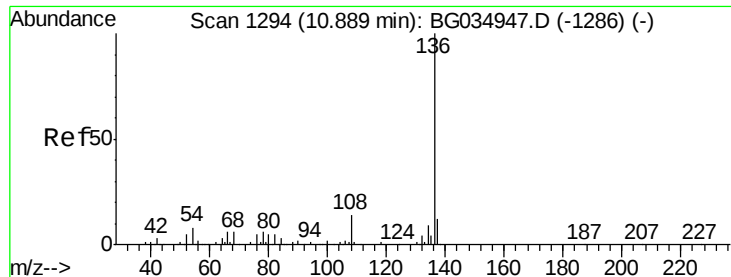
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

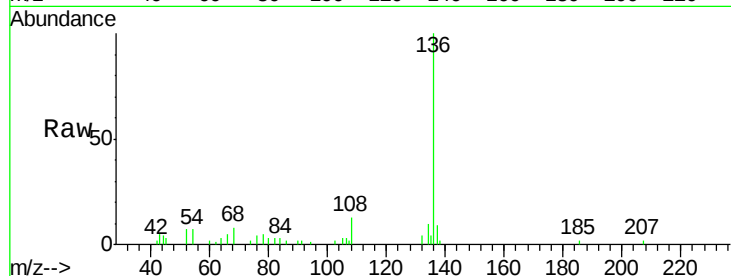




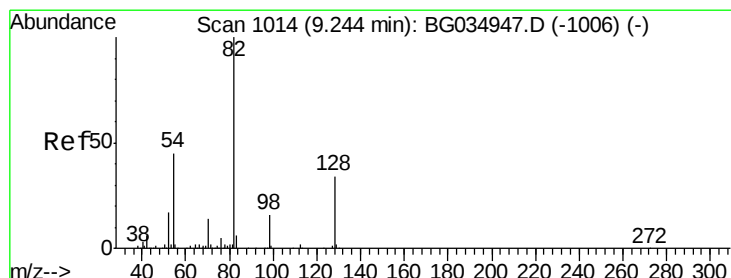
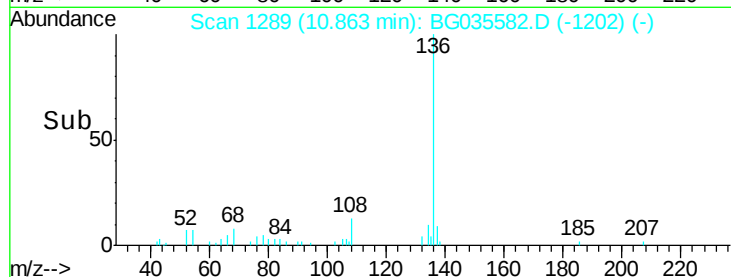
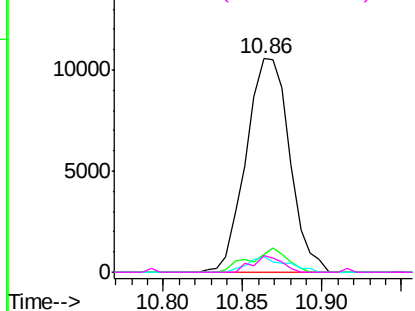
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035582.D
Acq: 3 Jul 2018 11:55

Instrument :
BNA_G
ClientSampleId :
EO-03-062818-BRE

Tgt Ion:	136	Resp:	20196
Ion	Ratio	Lower	Upper
136	100		
137	8.5	9.2	13.8#
54	7.2	10.3	15.5#
68	7.7	4.5	6.7#

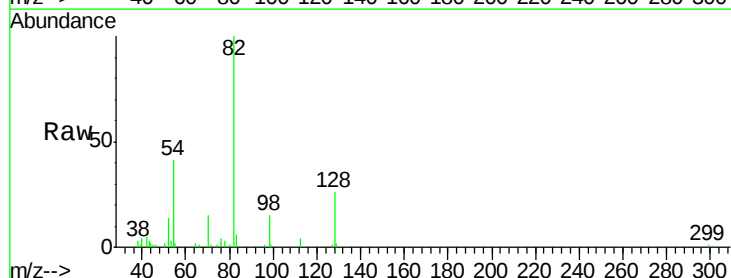


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

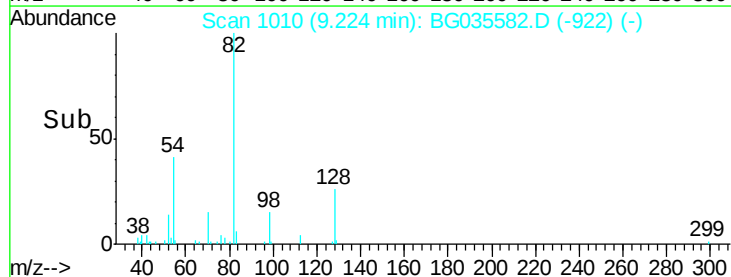
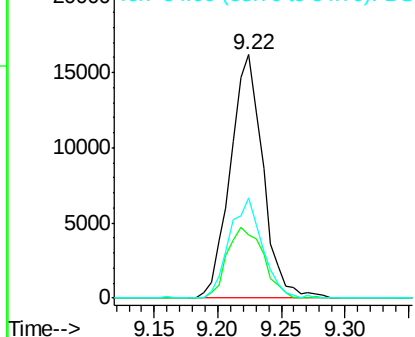


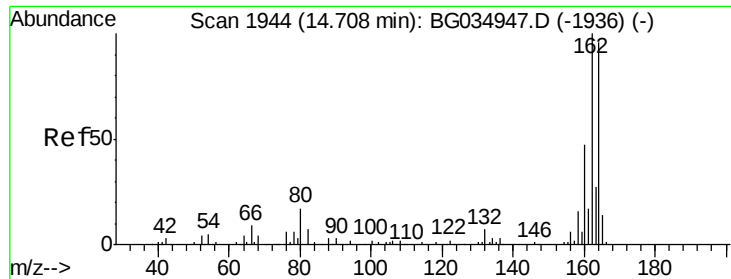
#23
Nitrobenzene-d5
Concen: 67.983 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035582.D
Acq: 3 Jul 2018 11:55

Tgt Ion:	82	Resp:	28884
Ion	Ratio	Lower	Upper
82	100		
128	25.9	29.7	44.5#
54	41.1	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

Instrument :

BNA_G

ClientSampleId :

EO-03-062818-BRE

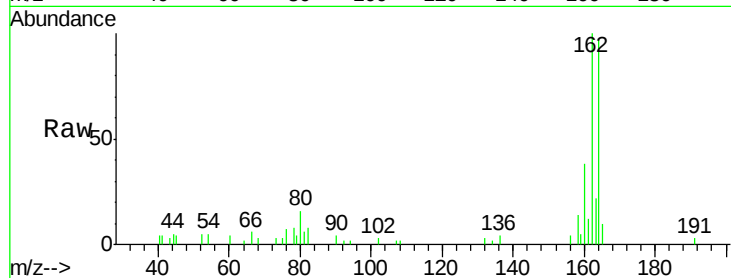
Tgt Ion:164 Resp: 11605

Ion Ratio Lower Upper

164 100

162 103.4 78.8 118.2

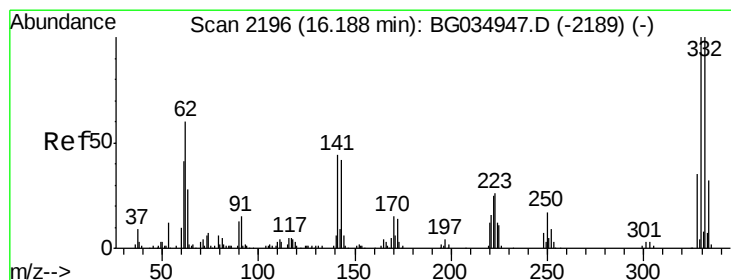
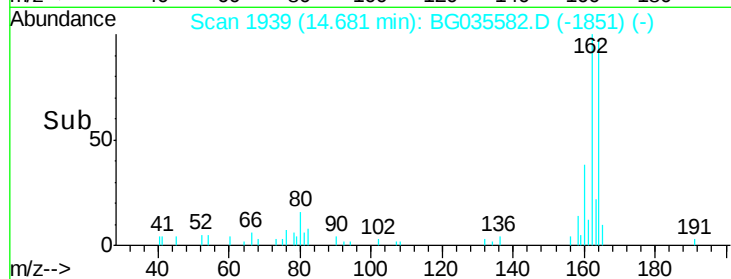
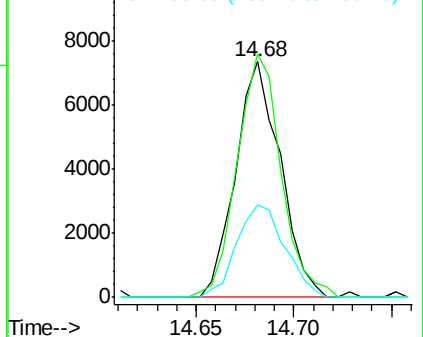
160 39.5 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 54.012 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

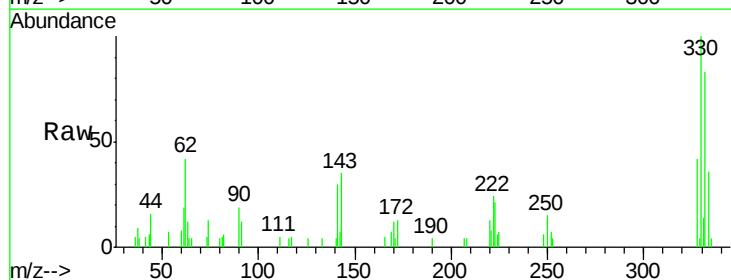
Tgt Ion:330 Resp: 8024

Ion Ratio Lower Upper

330 100

332 90.8 77.0 115.6

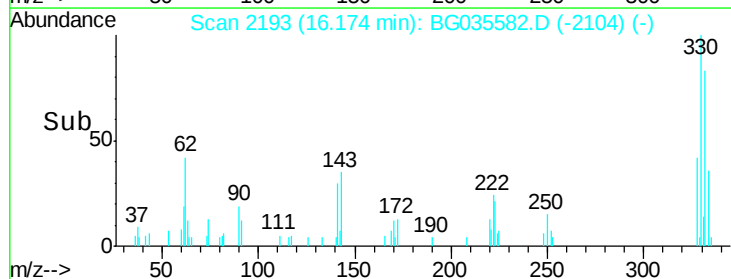
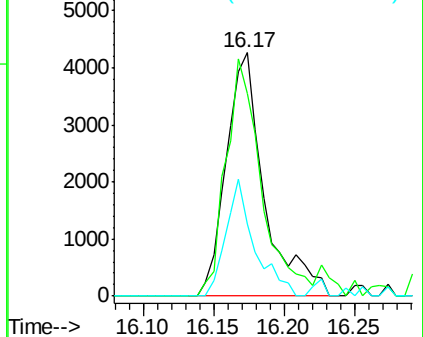
141 35.8 25.2 37.8

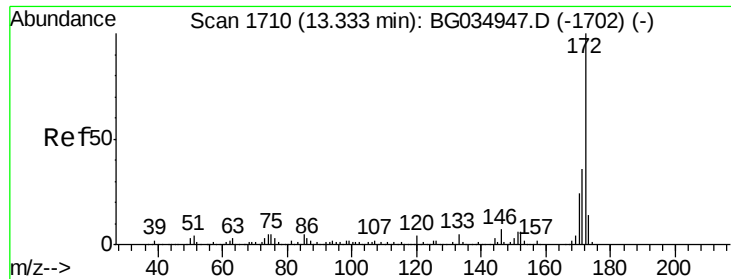


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

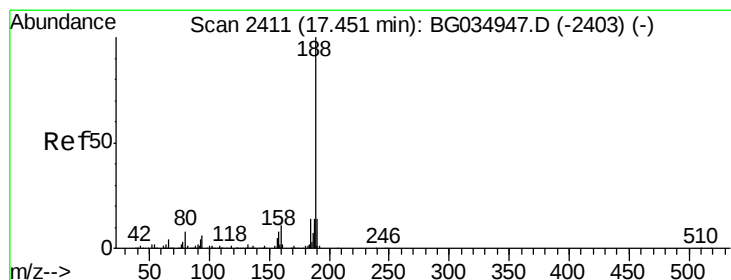
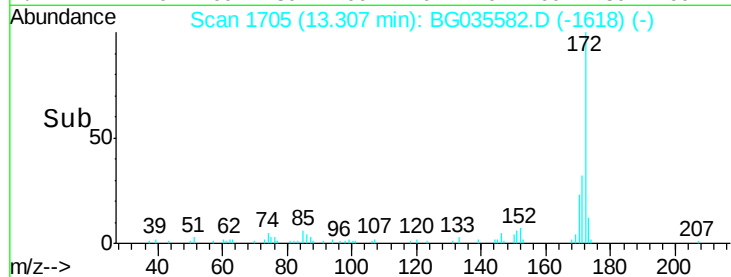
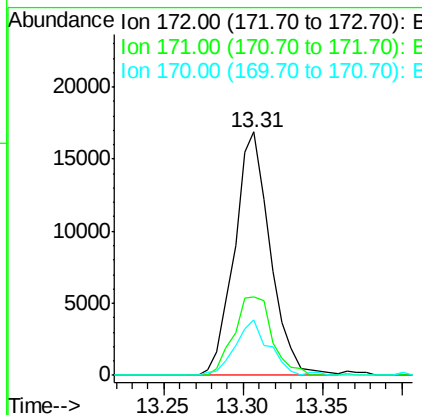
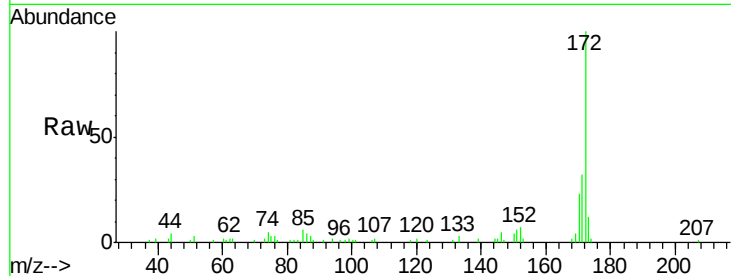




#44
 2-Fluorobiphenyl
 Concen: 29.642 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035582.D
 Acq: 3 Jul 2018 11:55

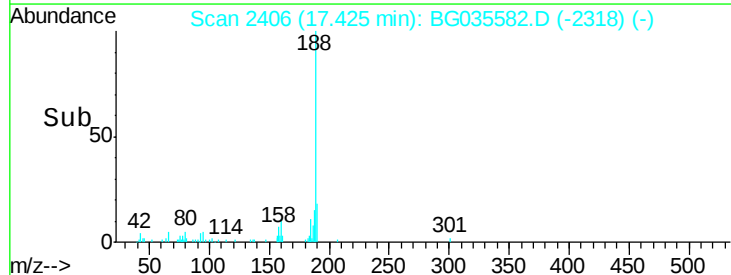
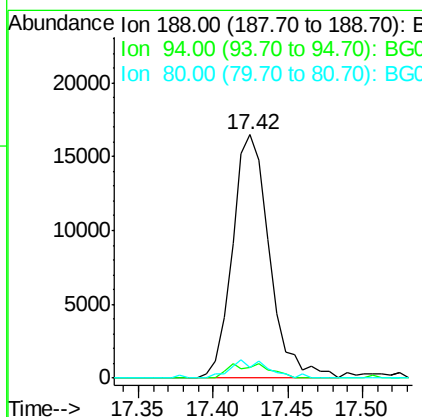
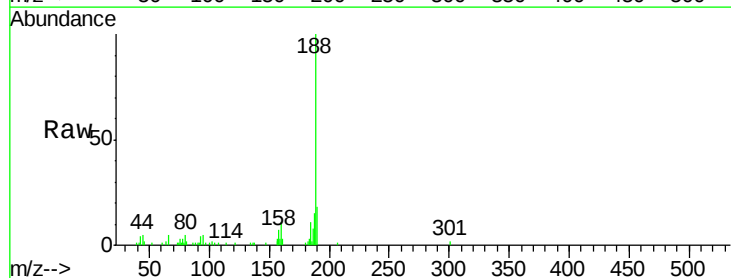
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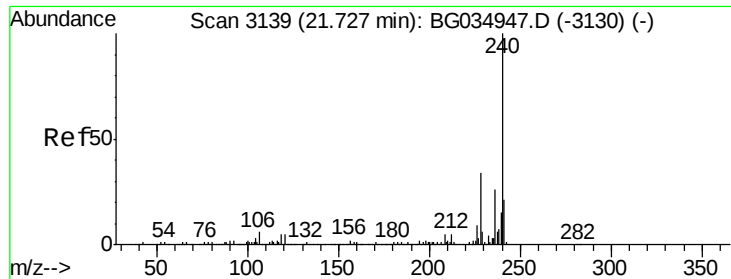
Tgt Ion:172 Resp: 26461
 Ion Ratio Lower Upper
 172 100
 171 32.2 30.0 45.0
 170 22.9 19.5 29.3



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG035582.D
 Acq: 3 Jul 2018 11:55

Tgt Ion:188 Resp: 28360
 Ion Ratio Lower Upper
 188 100
 94 4.6 6.9 10.3#
 80 4.6 7.7 11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

Instrument :

BNA_G

ClientSampleId :

EO-03-062818-BRE

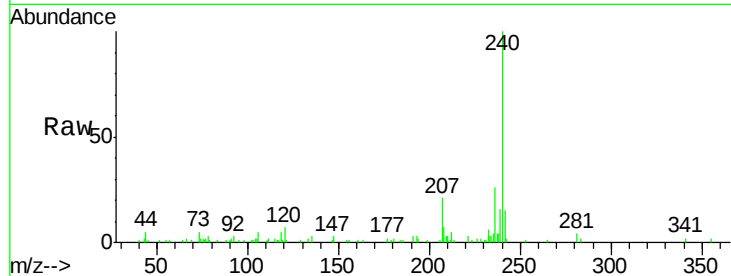
Tgt Ion:240 Resp: 29495

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2

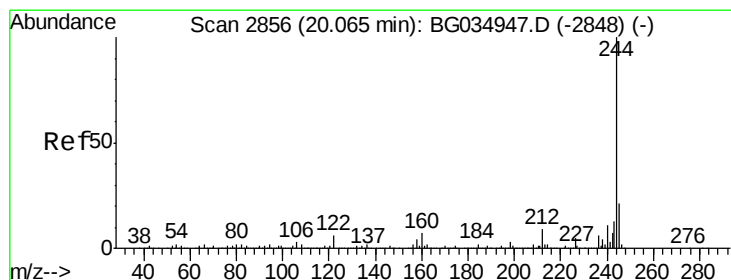
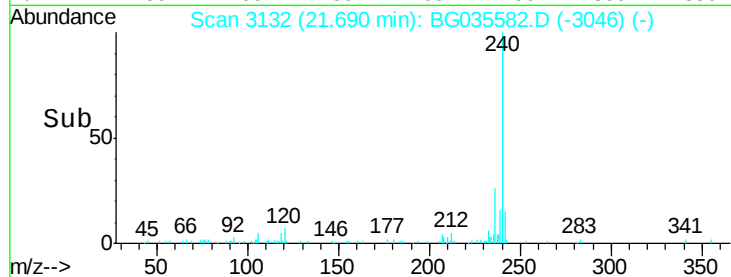
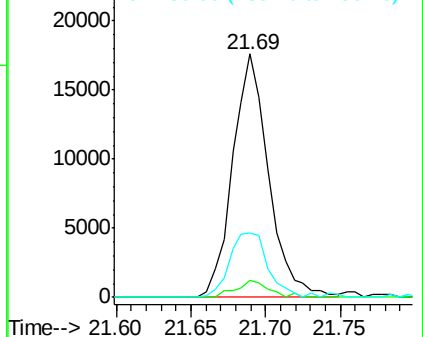
236 26.3 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 43.121 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

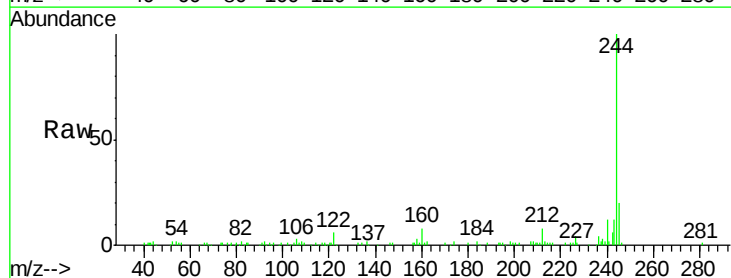
Tgt Ion:244 Resp: 60719

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

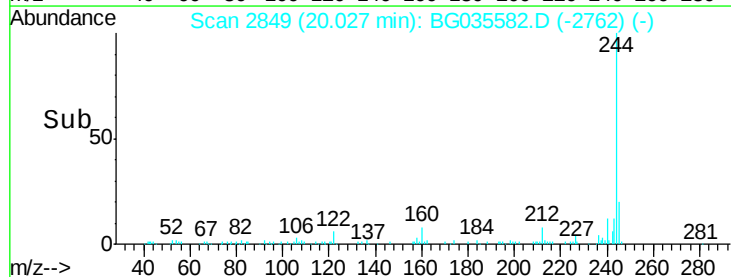
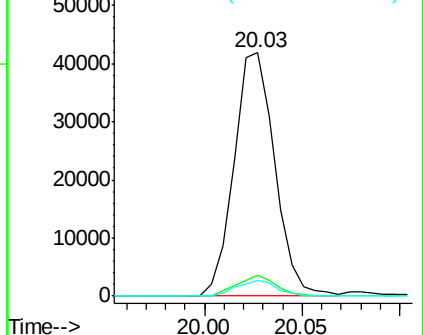
122 6.2 7.0 10.4#

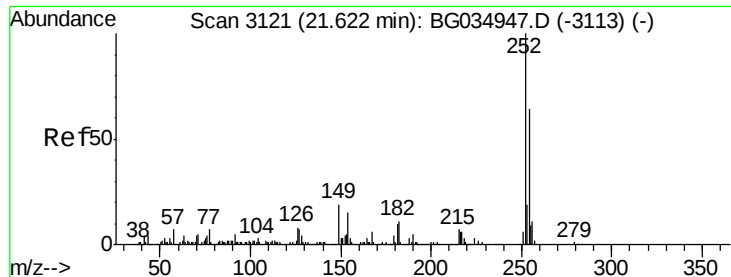


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

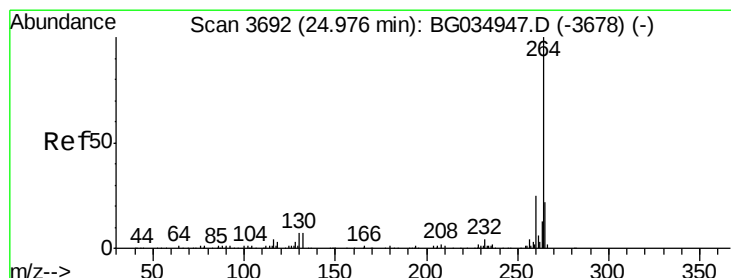
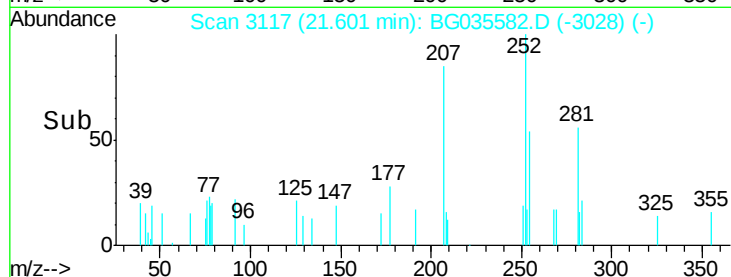
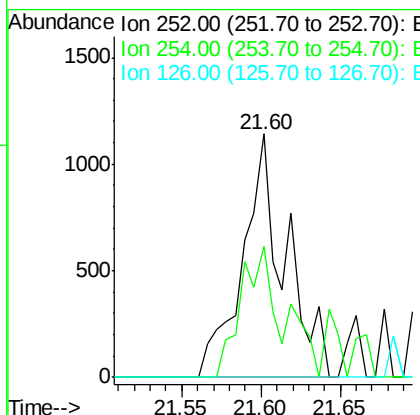
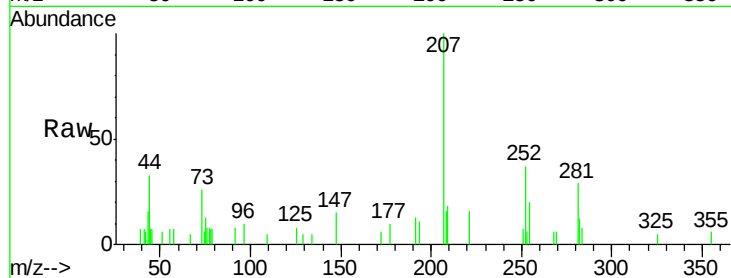




#81
 3,3'-Dichlorobenzidine
 Concen: 2.966 ng
 RT: 21.60 min Scan# 3117
 Delta R.T. -0.01 min
 Lab File: BG035582.D
 Acq: 3 Jul 2018 11:55

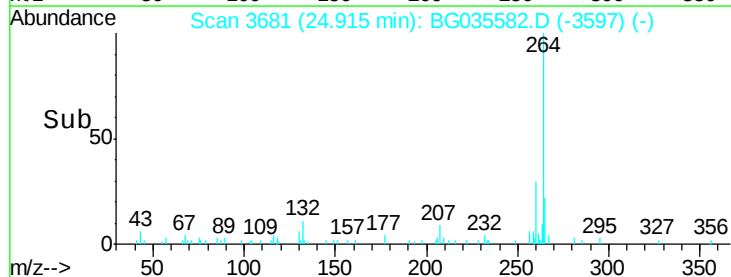
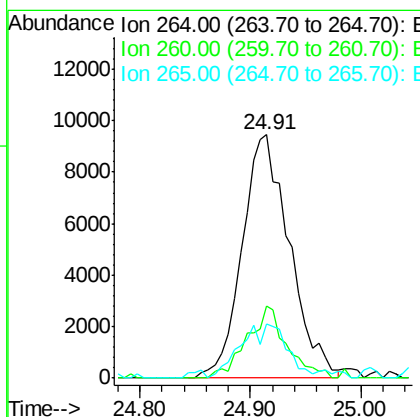
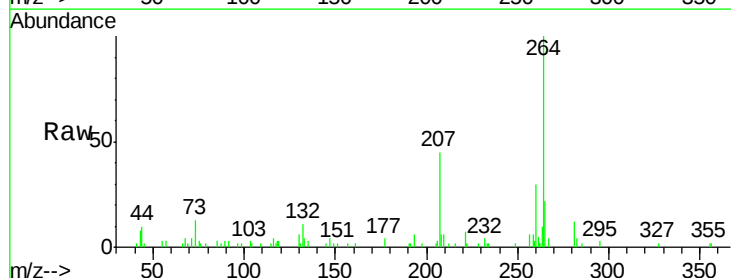
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-062818-BRE

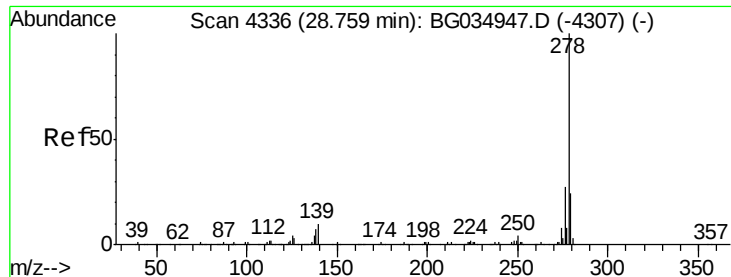
Tgt Ion:252 Resp: 2103
 Ion Ratio Lower Upper
 252 100
 254 53.9 50.8 76.2
 126 0.0 7.4 11.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3681
 Delta R.T. -0.04 min
 Lab File: BG035582.D
 Acq: 3 Jul 2018 11:55

Tgt Ion:264 Resp: 28372
 Ion Ratio Lower Upper
 264 100
 260 29.6 17.4 26.0#
 265 22.3 17.7 26.5





#90

Dibenzo(a,h)anthracene

Concen: 2.856 ng

RT: 28.66 min Scan# 4319

Delta R.T. -0.06 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

Instrument :

BNA_G

ClientSampleId :

EO-03-062818-BRE

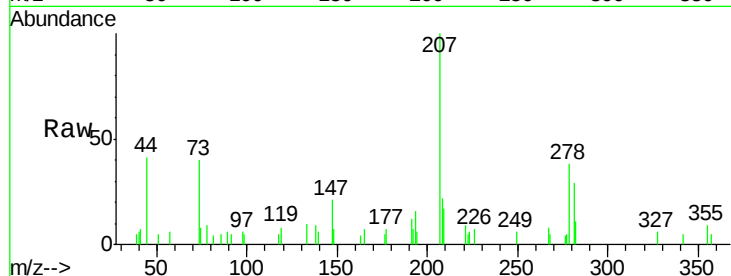
Tgt Ion:278 Resp: 4636

Ion Ratio Lower Upper

278 100

139 15.2 9.8 14.6#

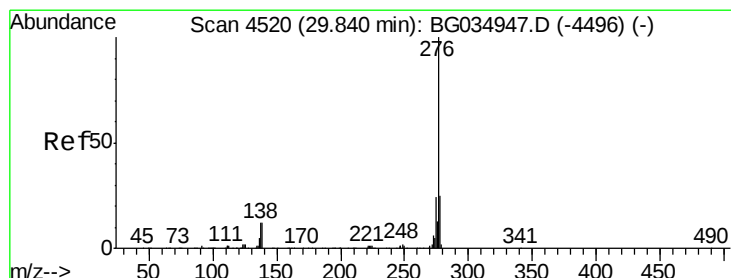
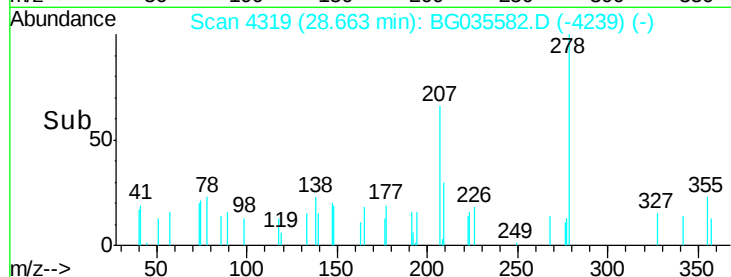
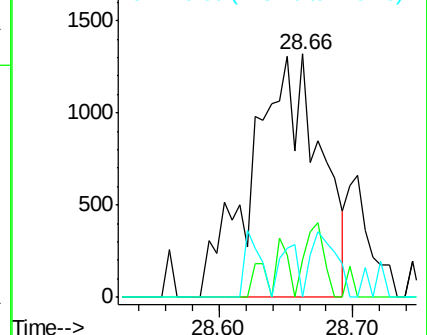
279 0.0 18.4 27.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.361 ng

RT: 29.73 min Scan# 4501

Delta R.T. -0.07 min

Lab File: BG035582.D

Acq: 3 Jul 2018 11:55

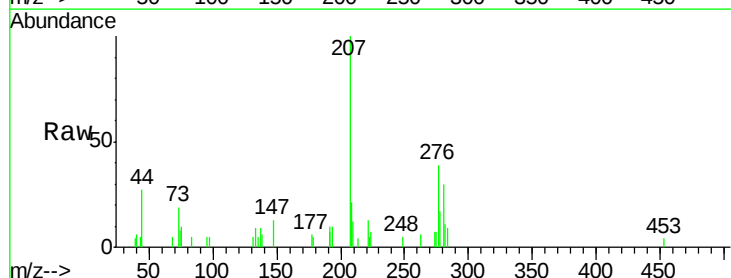
Tgt Ion:276 Resp: 6926

Ion Ratio Lower Upper

276 100

277 44.1 18.3 27.5#

138 15.8 13.9 20.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

